



U. S. Steel
Clairton Works
400 State Street
Clairton, PA 15025-1855

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*Input 11/29/94
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March 4, 1994

Mr. Stanley Laskowski
Acting Regional Administrator
United States Environmental Protection Agency
Region III
841 Chestnut Building
Philadelphia, PA 19107

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SUBJECT: NESHAP Benzene Waste Operations
40 CFR Part 61 - Subpart FF- 1993 TAB

AIR EMISSIONS SECTION
EPA Region III

Dear Mr. Laskowski:

In accordance with requirements of the Benzene Waste NESHAPS Subpart FF, USS Clairton Works is Submitting annual benzene waste stream information for our coke by-product recovery facility.

Please find attached a table which identifies benzene waste streams and the corresponding total annual benzene (TAB) quantities for 1993. This data is based on sampling, metered flows and weights for the streams identified. USS is also in compliance with the recordkeeping requirements of 40 CFR 61.356.

If you have any questions, you can contact me at (412) 233-1101.

Sincerely,

H. R. McCollum
Manager Environmental Control

HRM/kb-94068

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U. S. Steel Group
A unit of USX Corporation

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Table I
1993 – Total Annual Benzene Quantity
USS Clairton Coke—by—Product Recovery Plant

Waste Stream	Type	Annual Quantity (Gallons)	Annual Avg. Benzene Conc. (ppm)	Annual Avg. Benzene Conc. (Megagrams)
Coal Tar Sludge				
Phosam Tar Unit	Sludge	18,600	3.5	< 0.01
All Other Sludge	Sludge	2,342,171	53	0.49
Axi Compressor Seal Oil Water	Water	365,000	4.8	0.01
Phosam Fractionator Bottoms	Water	52,034,400	<0.05	— — —
Vacuum Carbonate System Blowdown	Water	15,768,000	9.6	0.57
Scot Unit Blowdown	Water	5,256,000	1.5	0.03
Coke Oven Gas Main Condensate				
In Plant	Water	1,872,000	970	6.87
Outside Plant	Water	1,872,000	28	0.20
Tar Dewatering	Water	4,343,500	20	0.33
Free Ammonia Still Effluent	Water	630,720,000	0.05	0.12
TOTAL ANNUAL BENZENE QUANTITY				8.62

Ammon.
Still 0.05